

ABSTRACT

2 The present invention deals with the handling of the tail-gas product from an
3 integrated gasification reactor/Fischer-Tropsch reactor unit. The Fischer-Tropsch tail-gas
4 is either recycled back for feed to the gasification unit to be converted into syngas, is
5 processed in a CO₂ removal unit and recycled back to the feed of the Fischer-Tropsch
6 reactor to improve the liquid product yield, or is sent to a power production unit for the
7 generation of electric power.